



The Abdus Salam
International Centre for Theoretical Physics



**Workshop on 'Palaeoclimate and Human Dispersal
during Marine Isotope Stage 3'
12 - 17 December 2011
Chennai, India**

held at Anna University, Institute of Ocean Management, Campus of College of Engineering

co-sponsored by:
Anna University, Chennai, India
Consorzio per la Fisica, Trieste

PRELIMINARY PROGRAMME (as of 6th December)

Monday, 12 December

- 8:30 - 10:00 REGISTRATION
- 10:00 - 11:00 OPENING - Representatives Local Authorities, Anna University, ICTP
- 11:00 - 12:00 **C. Tuniz**, ICTP, Trieste
"Advanced scientific methods for archaeology and palaeoanthropology"
- 12:00 - 14:00 LUNCH BREAK
- 14:00 - 15:00 **R. Korisettar**, Karnatak University, Dharwad
"Archaeological evidence of human expansion in the Indian Subcontinent during the late quaternary (125,000-10,000 years ago)"
- 15:00 - 16:00 **B. Stenni**, University of Trieste
"Palaeoclimate reconstructions from natural archives : MIS3 in the context of past glacial-interglacial variability, with a focus on Antarctic ice core records"
- 16:00 - 16:30 Coffee Break
- 16:30 - 17:30 **J.A. Blinkhorn**, Research Laboratory for Archaeology, Oxford
"Gateway of India: Testing models of modern human dispersals into South Asia with the late pleistocene archaeological record of the Thar Desert"

Tuesday, 13 December

- 9:00 - 10:00 **P. Mellars**, University of Cambridge
"Problems of the earliest modern human colonisation of India:
Archaeological and Genetic perspectives"
- 10:00 - 11:00 **V. Masson-Delmotte**, Lab. des Sciences du Climat et de l'Environnement, Gif-sur-Yvette
"Palaeoclimate reconstructions from natural archives: Climate variability during MIS3 in the context of millennial climate variability during glacial and interglacial periods"
- 11:00 - 11:30 Coffee Break
- 11:30 - 12:00 Contributed talks (*free for participants - 5 min. ea. to present their own research*)
- 12:00 - 14:00 LUNCH BREAK
- 14:00 - 15:00 **D. Fleitman**, University of Bern
MIS 3 climate variability recorded in speleothems
- 15:00 - 16:00 **J. Lee-Thorp**, Research Laboratory for Archaeology, Oxford
"Human diet during glacial conditions: Reconciling the isotope with the faunal evidence"
- 16:00 - 16:30 Coffee Break
- 16:30 - 17:30 **C. Clarkson**, The University of Queensland, St Lucia
"Is there a signal of modern human dispersal from Africa to Australia? The lithic evidence considered"
- 17:30 - 18:30 POSTER SESSION

Wednesday, 14 December

- 09:00 - 10:00 **M. Kageyama**, Lab. des Sciences du Climat et de l'Environnement, Gif-sur-Yvette
"Palaeoclimate modelling Part I: general introduction to models used in palaeoclimatology, from global to regional scales"
- 10:00 - 11:00 **C. Eastoe**, University of Tucson
"Groundwater, radiocarbon, palaeoclimate: Past phenomena and future possibilities"
- 11:00 - 11:30 Coffee Break
- 11:30 - 12:10 Contributed talk by **J. Edung Erus**, Lodwar (Kenya)
"Discovering human fossil: Kenya"
- 12:10 - 14:00 LUNCH BREAK

(cont.)

Wednesday, 14 December (cont.)

- 14:00 - 15:00 **J. Quade**, University of Tucson
"Palaeo-ecology during MIS 3"
- 15:00 - 16:00 **G. Boschian**, University of Pisa
"Palaeoenvironmental data from Italian caves"
- 16:00 - 16:30 Contributed talks (*free for participants - 5 min. ea. to present their own research*)
- 16:30 - 17:00 Coffee Break
- 17:00 - 18:00 Colloquium open to the public by **V. Masson-Delmotte**
"Assessing climate science, the role of IPCC"

Thursday, 15 December

- 9:00 - 10:00 **R. Ramesh**, Physical Research Laboratory, Ahmedabad
"Deciphering past monsoon variations from tree-rings and speleothems"
- 10:00 - 11:00 **M. Kageyama**, Lab. des Sciences du Climat et de l'Environnement, Gif-sur-Yvette
"Palaeoclimate modelling Part II: modelling glacial climates and their instabilities"
- 11:00 - 11:30 Coffee Break
- 11:30 - 12:15 **J. Callegary**, University of Tucson
"Linking hydrology, geology, chemistry, biology and climate in the Upper Santa Cruz Basin"
- 12:15 - 14:00 LUNCH BREAK
- 14:00 - 15:00 **F. Bernardini**, ICTP, Trieste
"Advances in micro-characterisation of archaeological and paleontological samples"
- 15:00 - 15:40 **H. Achyuthan**, Anna University, Chennai
"Isotopes, climate and humans"
- 15:40 - 16:10 Coffee Break
- 16:10 - 16:40 Contributed talk by **Sathyabhama Badreenath**, ASI Chennai Circle
"Archaeology around Chennai"
- 16:40 - CONCLUDING REMARKS - P. Mellars, R. Korisettar.

Friday, 16 December and Saturday 17 December

FIELD TRIPS